



ibercivis
people doing science

Spanish National Citizen Science Foundation

◦ Let's work together!

Dossier
2025

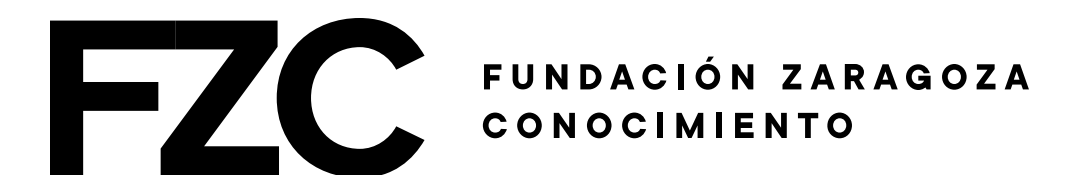
Who we are?

IBERCIVIS is the national private non-profit foundation devoted to citizen science in Spain.

Legally established in 2012, we deploy, support and promote general public engagement in science with research and educational purposes.

We play a central role in the citizen science community at local, national and international level.

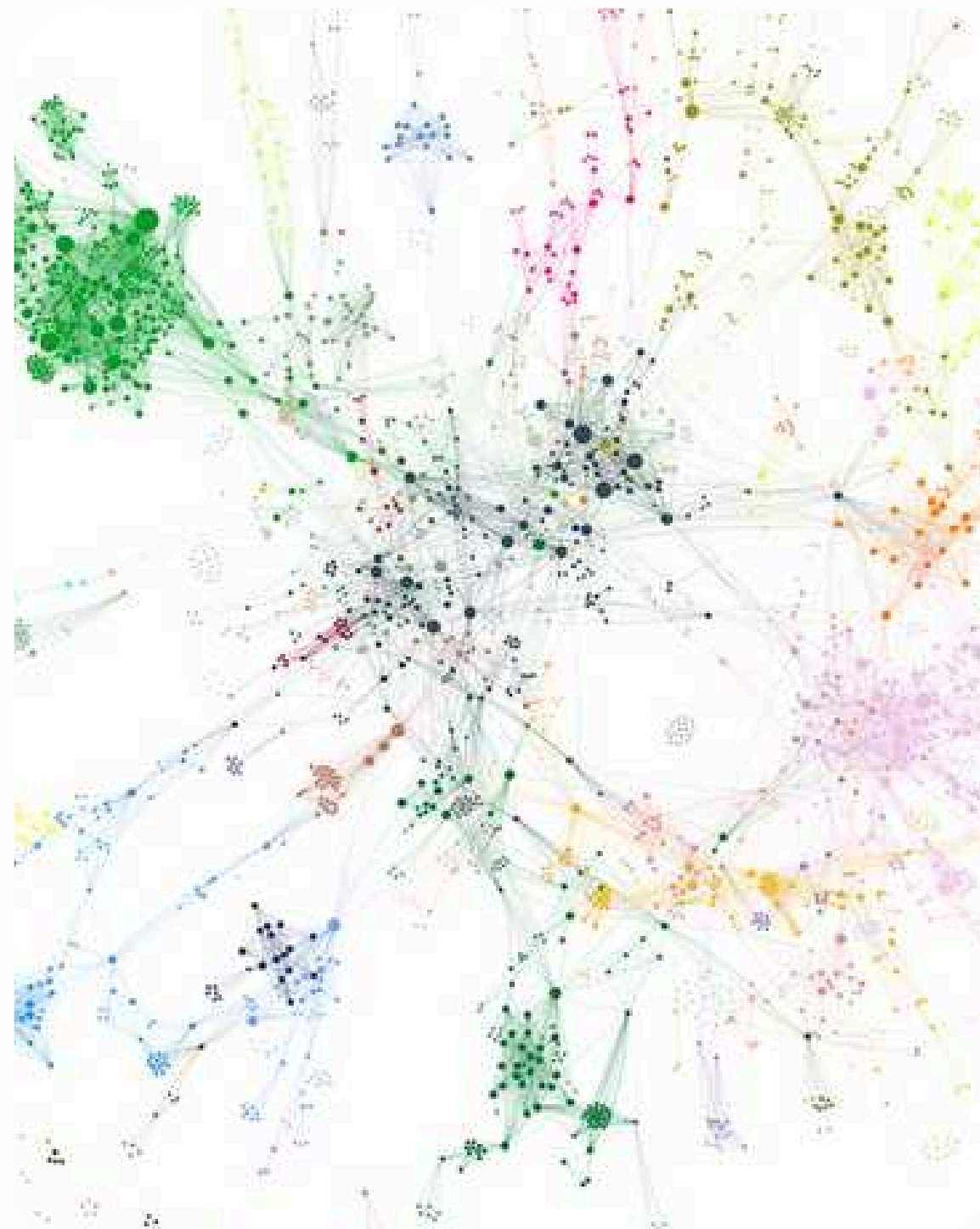
Board



What we do?



Research through citizen science methodologies.



Analysis of citizen science.



Promotion and Support of citizen science in Spain and beyond.

The team: 19 people committed to citizen science.

Multidisciplinary:

physics

philosophy

engineering

journalism

geology

politics

graphic design

...

Multi-profile:

research

managment

consulting

administration

ICT development

communication

...

~25% of the team have a PhD

Research team: 67% are senior
researchers.



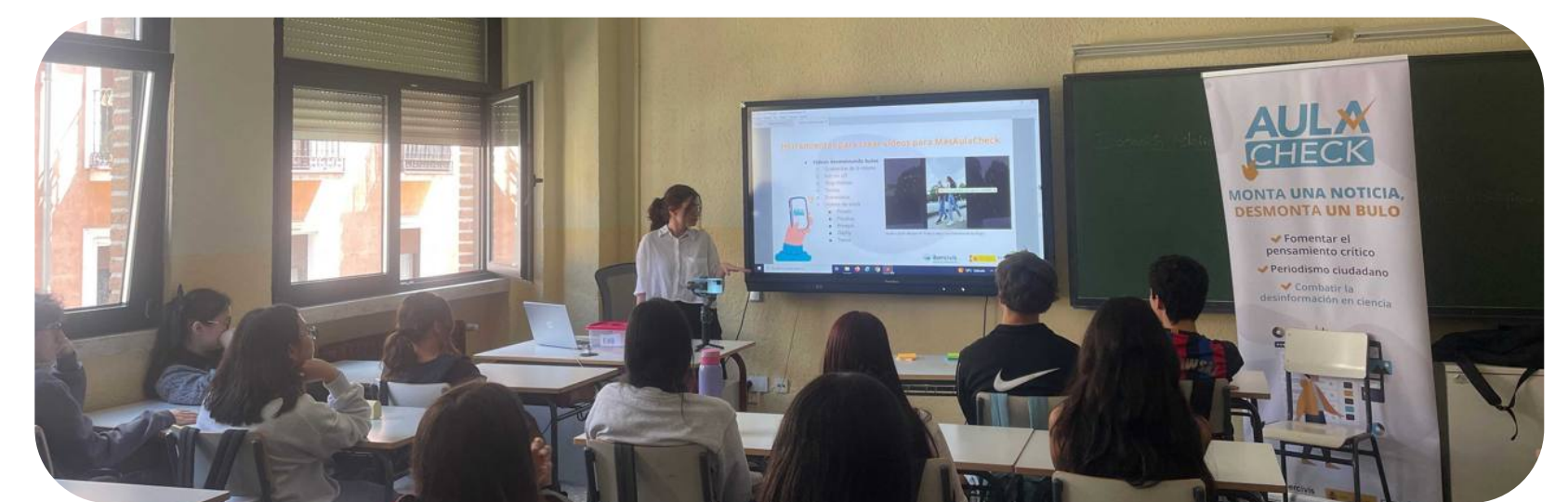
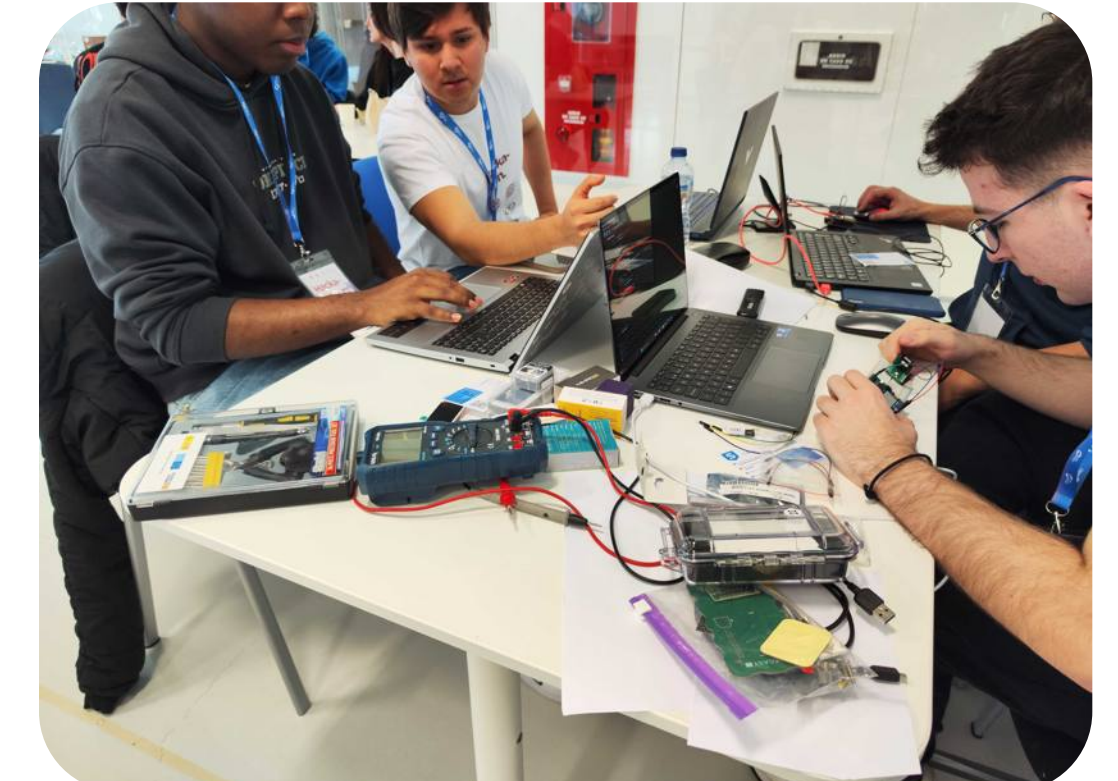
Projects:

Participation in over **80** different types of citizen science initiatives:

19 European projects
↳ **11** ongoing

>50 National projects
↳ **4** ongoing

3 Collaboration agreements with national public authorities.



Our core values

1

OPEN SCIENCE

- Ensuring openness of research outputs: methods, tools, data, results...
- Enabling access not just to knowledge, but also to knowledge generation.

2

ETHICS

- Transparency in research and data management.
- Respect for privacy
- Recognition of contributions to build trust.
- Promotion of inclusiveness.
- Safeguarding of the well-being of participants and of the entire community.

3

RESEARCH INTEGRITY

- Honesty
- Rigor and accuracy
- Accountability
- Respect for others
- Good stewardship of resources
- Open communication

Ways we can work together

Digital development



p. 10

Training and capacity building



p. 12

Communication and graphic design



p. 14

Deployment of citizen science initiatives



p. 9

Citizen and multi-actor engagement



p. 11

Science-to-policy



p. 13

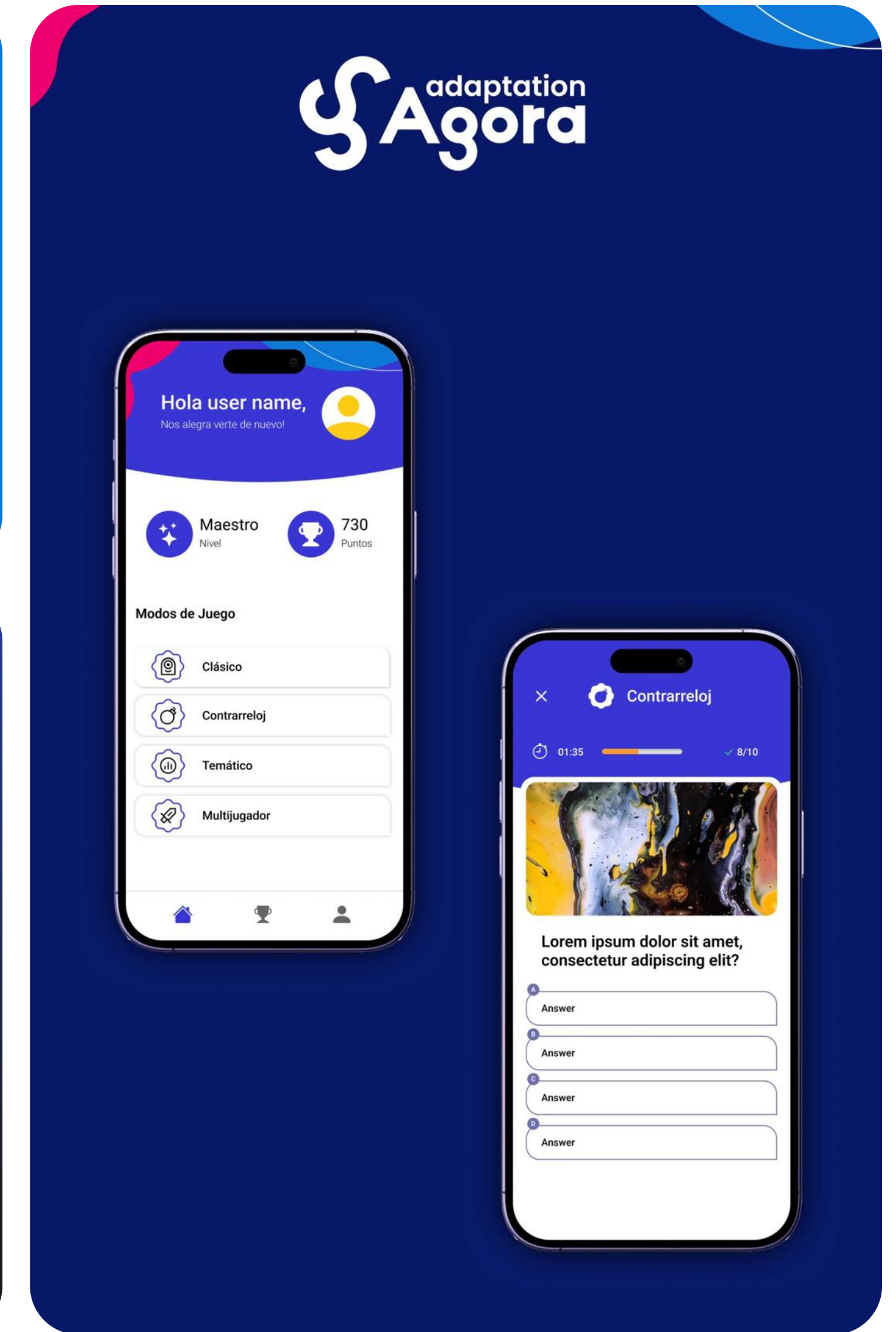
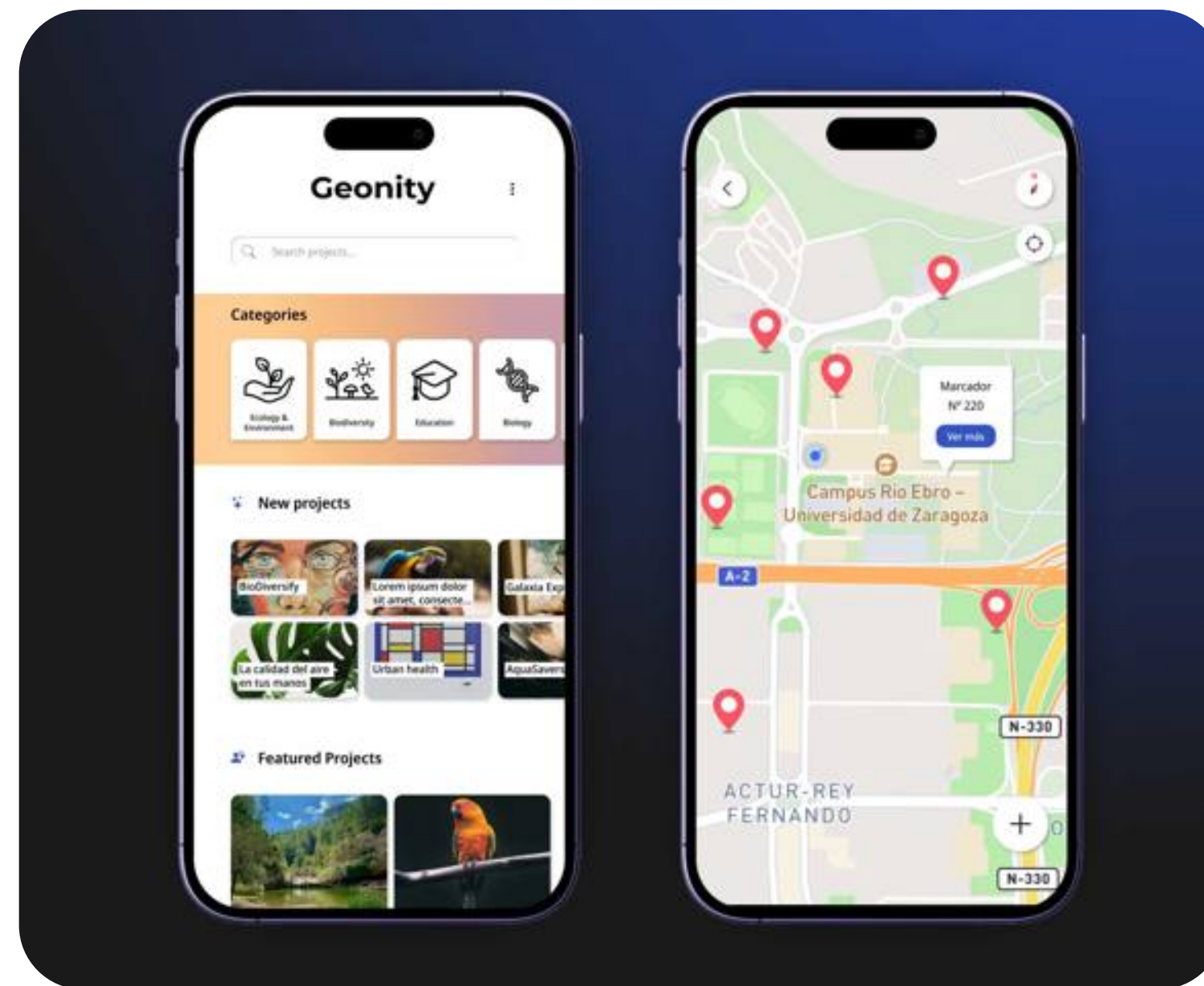
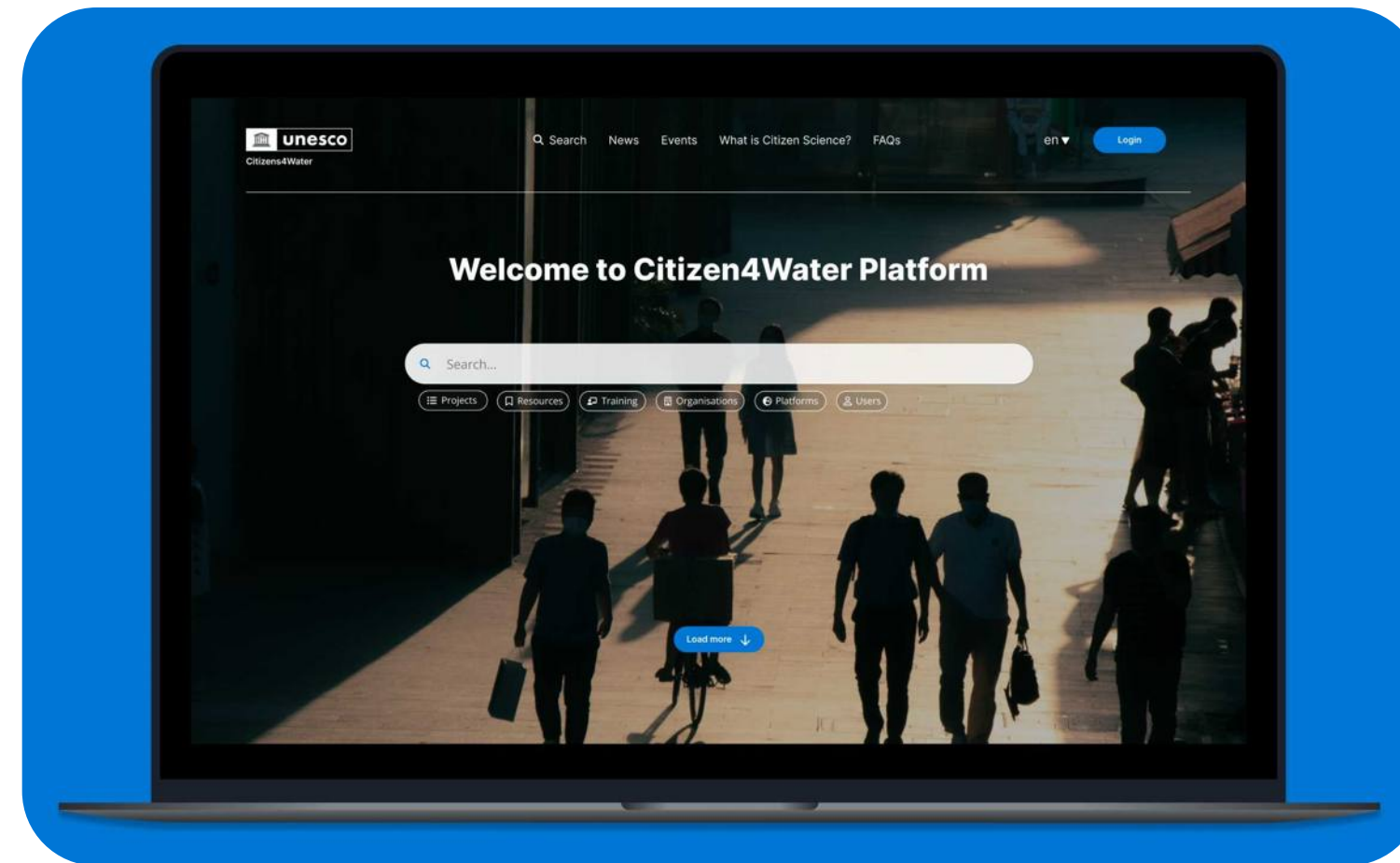
Deployment of citizen science initiatives

- **Multidisciplinary team** allows us to address research questions in multiple scientific fields.
- Participation in **>80 citizen science initiatives** of which **19 are EU-funded projects**.
- Experience in the development of different types of **resources (kits, apps, sensors...)** to support citizen participation.
- Development of **evaluation frameworks** at participant, methodology and project level.
- Experts in **data** quality and FAIRness.
- Leading actor in the **structuring and consolidation of citizen science** in the European Research Area (ERA): [RIECS-concept](#), [EU-citizen.science](#), [White Paper of Citizen Science](#).



Digital development

- Development and adaptation of **open-source technologies** to enable participatory research.
- Strong focus on **intuitiveness, user friendliness** and **usability**: UI/UX-based design.
- **Designed for non-researchers**; adapted to the needs and capabilities of end-users.
- **Webs, apps & Portals**: for data gathering, processing & visualisation; repositories; engagement.
- **Mobile apps**: geolocalisation of citizen-generated data, capacity building, communication, engagement.
- **Hardware**: sensors for crowdsourcing data, DIY-based hardware, IoT.



Citizen and multi-actor engagement

- **>80k citizens engaged** from very diverse backgrounds (different age groups; socioeconomic and educational levels...)
- **Engagement strategies and multi-actor participatory activities:** hackathons, co-creation techniques, BioBlitzs, communities of practice, citizen observatories...
- Strategies to **sustain participation** and motivation: gamification, rewards, acknowledgment, tokenization.
- **National node for citizen science:** vast network of communities and collaborators.
- **Involvement of citizens in all stages of the research process.**



Training, acknowledgment and capacity building

- Fundamental aspect in citizen science projects for the **involvement of people in research activities** and for “giving back”.
- Wide experience **collaborating with educational entities**: schools, high-schools, universities...
- **Development of training and capacity building materials** in diverse formats (videos, gamified, interactive...) along with capacity acknowledgment.
- **Organization of events** (workshops, walks, schools...) for different types of stakeholders in participatory research projects.
- Formal and non-formal **training of researchers and non-professionals on citizen science**.



Science-to-policy

- **Development/adaptation of tools** to facilitate the adoption of evidence in policy-making.
- **Direct link** with Spanish and Aragon Governments.
- **Science policy advocacy** with concrete effects on open science and citizen engagement.
- **Unique institutional expertise** facilitating dialogue and influence at different levels of government.
- Translation of research results to support **evidence-based policies**.
- **Tools and policy briefs** to support decision making.
- Ibercivis co-authored the [White Paper on Citizen Science](#) which reviews and provides guidelines for science-to-policy in citizen science.



Science-to-policy: Spain and beyond

Close interaction with public authorities from the Spanish government through the **Spanish Foundation for Science and Technology (FECYT)** with the collaboration of ~250 citizen science agents:

- Creation of the *Action Plan for the Development and Consolidation of Citizen Science in Spain* with the **Ministry of Economy, Industry and Competitiveness** (2017-2018)
- Collaboration Agreement between the Ibercivis Foundation and FECYT with the **Ministry of Science, Innovation and Universities** (2018-2019)
- Establishment of the *Citizen Science Steering Group* together and the **Ministry of Universities** (2022)

Leaders of 3 current Working Groups of the **European Citizen Science Association (ECSA)**: ECS platform, Agrifood and Policy, strategy, governance and partnerships



Communication and graphic design

- Creation of **communication plans**.
- Identification of **key messages, audiences and channels**.
- **Design of visual identities** for projects.
- Creation of **visual content and materials to support communication**: logos, brochures, reports, infographics, roll ups, banners, online presentations, etc.
- **Editorial design**: layout of text books, didactic units or other educational materials.



 **ibercivis**
gente haciendo ciencia
  **Agora**
adaptation

**¿QUIERES PARTICIPAR
EN UN GRUPO FOCAL
SOBRE LA ADAPTACIÓN
AL CAMBIO CLIMÁTICO?**

**Buscamos a personas
de entre 25 y 65 años
que quieran formar parte de
una sesión participativa**

Zaragoza, LAAAB
17 de Junio
 16:30 a 18:30



¿Qué sabe Meta de ti?
 A través de tus datos
podemos analizarlo


 Desenredados



Project portfolio

SOCIENTIZE
(2012 - 2014)



Society as Infrastructure for
e-science via Technolog,
Innovation and Creativity

[View more](#) ➔

DNOSES
(2018 - 2021)



Distributed Network for
Odour Sensing,
Empowerment and
Sustainability

[View more](#) ➔

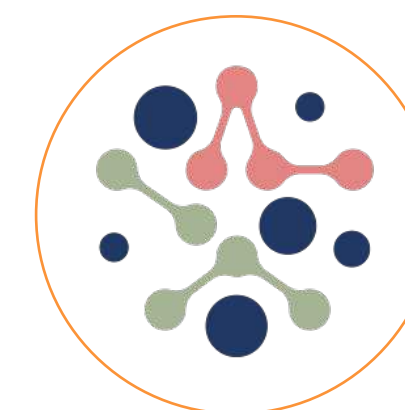
BRITEC
(2019 - 2021)



Bringing Research into the
Classroom

[View more](#) ➔

EUCITSCI
(2019 - 2021)



The European Platform for
citizen science, projects and
initiatives

[View more](#) ➔

NEWSERA
(2020 - 2022)



Citizen Science as the New
Paradigm for Science
Communication

[View more](#) ➔

COESO
(2021 - 2023)



Collaborative Engagement
on Societal Issues

[View more](#) ➔

DECIDO
(2021 - 2023)



eviDence and Cloud for
more Informed and
effective pOlicies

[View more](#) ➔

SOCIO-BEE
(2022 - 2024)



Wearables and droneS fOr
City Socio-Environmental
Observations and
BEhavioural Change

[View more](#) ➔

ECS
(2022 - 2026)



European Citizen Science

[View more](#) ➔

GREENGAGE
(2023 - 2025)



Engaging Citizens -
Mobilizing Technology -
Delivering the Green Deal

[View more](#) ➔

Project portfolio

AGORA
(2023 - 2025)



A Gathering place to cO-
design and co-cReate
Adaptation

[View more](#) →

PROCOAST
(2023 - 2026)



A PROactive approach for
COMmunities to enAble
Societal Transformation

[View more](#) →

DILAN
(2023 - 2025)



Digital Language and
Communication Training for
EU Scientists

[View more](#) →

ECHO
(2023 - 2027)



Engaging Citizens in soil
science: the road to
Healthier sOils

[View more](#) →

ATRIUM
(2024 - 2027)



Alternatives for an effective
Transition to sustainable,
Reusable and recyclable
construction products by
the Innovative production
of User and eco-friendly
bio-based Materials

[View more](#) →

PLANB
(2024 - 2027)



The Path Towards Addressing
Adverse Impacts of Light and
Noise Pollution on Terrestrial
Biodiversity and Ecosystems

[View more](#) →

RIECS-Concept
(2025 - 2027)



Towards a pan-European
Research Infrastructure for
Excellent Citizen Science

JUSTSAFE
(2025 - 2029)



Justice-Oriented Strategies
for Social Adaptive Risk
Management

NITRAZENS
(2025 - 2028)



Supporting Nitrate
Governance through
Citizen-Engaging Tools



RIECS-Concept

HORIZON-INFRA-2024-DEV-01-01
2025-2027
3.6M€

TOWARDS A PAN-EUROPEAN
RESEARCH INFRASTRUCTURE
FOR EXCELLENT CITIZEN
SCIENCE

Concept:

To conceptualise a pan-European research infrastructure (RI) for citizen science.

RIECS-concept **main activities** include:

- A technical **viability study**: required hardware, middleware and software; data and metadata standards and management; connection to and interoperability with other RIs....
- A **global strategic plan**: Pathway for implementation considering legal, economic and decision-making aspects, among others.
- **Open governance** from design: Engagement of diverse stakeholders for co-ownership, trust and wider uptake..

Ibercivis' main role:

- Overall project coordination
- Engagement and involvement of stakeholders across the citizen science environment and beyond
- Preliminary design of services and feasibility study: Elaboration of a report on the general conceptual design of the infrastructure covering the scientific and technical dimensions.
- Alignment of RIECS' data and metadata standards and protocols with EU frameworks and definition of a framework for sustainability, collaboration and policy support.





GREENGAGE

HORIZON-CL6-2022-GOVERNANCE-01-08
2023-2025
3.8M€

ENGAGING CITIZENS
MOBILIZING TECHNOLOGY
DELIVERING GREEN DEAL

Concept:

Promote EU's **twin transition** towards **carbon neutral cities through citizen science**.

This is achieved, among others, by:

- **Improving decision-making intelligence through the integration of citizen observations** within existing technologies such as Copernicus, GEOSS...
- Promoting active citizen participation in **data gathering** and use **through Citizen Observatories**.
- **Demonstration** of project concepts and generation of **real-life** results in **5 pilots** in different locations across Europe: Bristol, Turano, Nord-Barabant, Copenhagen and Gerace.

Ibercivis' role:

- Provide know-how to ensure citizen engagement and participation.
- Methods for establishing citizen observatories combining top-down & bottom-up approaches.
- Establish an international community of citizen observatories.
- Communication and dissemination to maximize project's impact.





ECHO

HORIZON-MISS-2022-SOIL-01-09
2025-2027
5.3M€

ENGAGING CITIZENS IN SOIL SCIENCE: THE ROAD TO HEALTHIER SOILS

Concept:

Development of **citizen science initiatives for monitoring and improving soil health** across all EU Member States.

The two main actions of the project include:

- **Engaging citizens in soil monitoring** and fostering soil literacy.
- **Creation of a soil data repository** accessible to both scientists and communities.

Ibercivis' role:

- Developing and providing citizen science strategies, methodologies, and tools.
- Contributing to all citizen science initiatives and supporting the project's tools, materials, and activities (soil health analysis toolkit and protocols, data gathering app, events, ambassador and citizen recruitment...).
- Ensuring the quality of data and its interoperability with existing soil databases.
- Promoting the international replication of the project's citizen science initiatives.





ECS

HORIZON-WIDERA-2021-ERA-01-60
2022-2026
4M€

EUROPEAN CITIZEN SCIENCE

Concept:

Consolidation of a strong and open citizen science network in Europe.

Main project activities include:

- **Establishment of a network of 28** ambassadors (one per Member State) to foster the creation and support of communities of citizen scientists.
- **Upgrade of EU-citizen.science platform** and creation of an European Academy of Citizen Science.

Ibercivis' role:

- Leader of the development of the online platforms.
- Co-creation workshops for service conceptualization and selection.
- Design and implementation of new services.
- Promotion of the platform.



ciencia-ciudadana.es

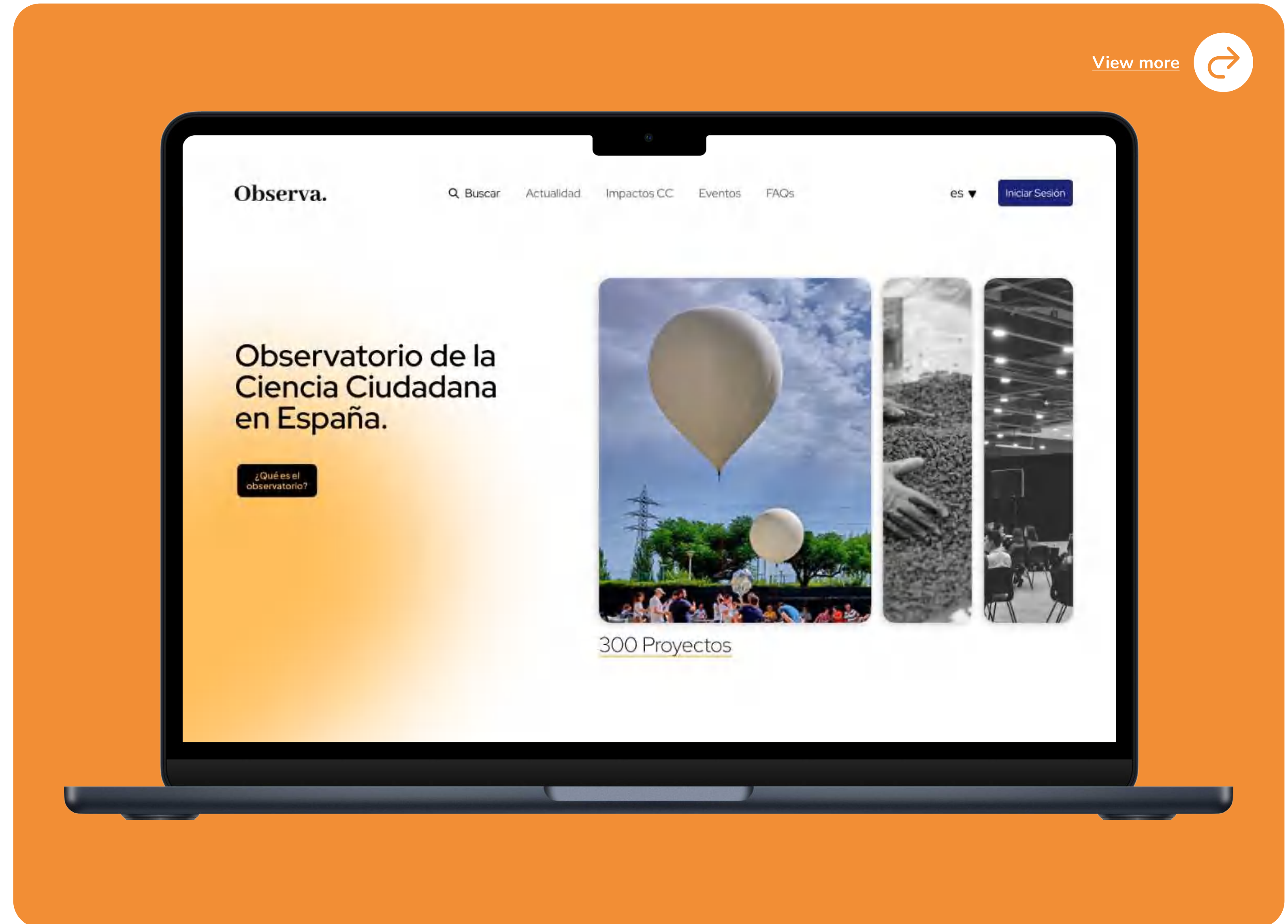
Ibercivis coordinates the Spanish Citizen Science Observatory

It promotes, analyses and visibilises initiatives, results, events, impacts...

>300 initiatives, resources, events, interviews, podcasts, etc.

Elaboration of the annual report on the state of citizen science in Spain

New Observatories in Europe built on Ibercivis experience from the Spanish Observatory

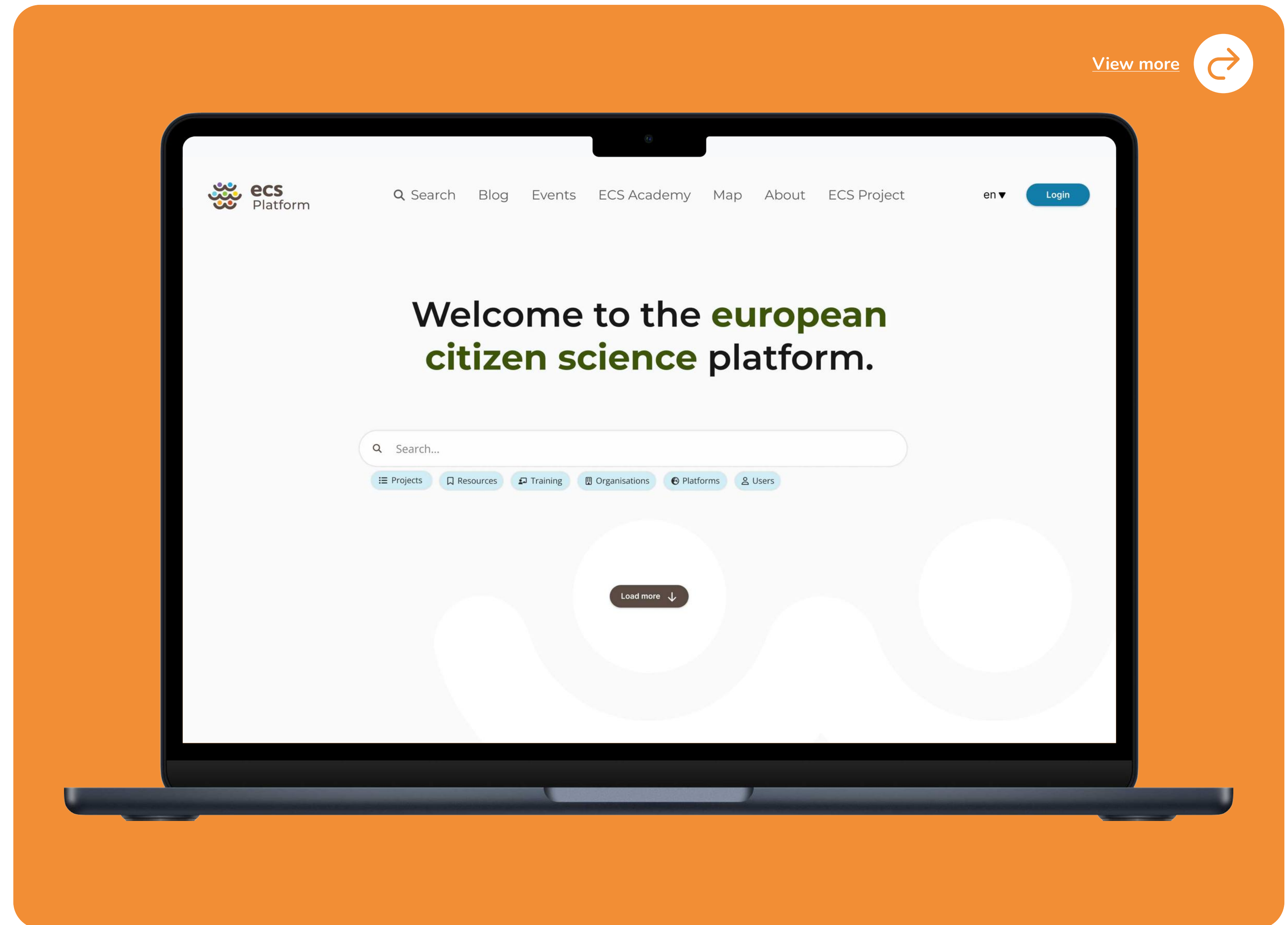


EU- citizen.science

>300 initiatives
>300 institutions
29 platforms
5.000 individuals, etc.

Ibercivis led the technical development of the platform and currently leads its improvement and extension (e.g., ECS Academy)

Its open code has been replicated in Portugal, Brazil and the Netherlands



Scientific Publications on Citizen Science

Some recent publications

I

- Pelacho, M., Orejudo, S., Clemente-Gallardo, J. (2025). **Science as a commons: motivations for continued participation in citizen science projects.** *PLOS One*, 20(6), e0325593. <https://doi.org/10.1371/journal.pone.0325593>

II

- Soacha-Godoy, K., López-Borrull, A., Serrano, F., & Piera, J. (2025). **The Backbone of Participatory Science: Reframing Citizen Observatories as Research Infrastructures.** *Sustainability*, 17(10), 4608. <https://doi.org/10.3390/su17104608>

III

- Gonzalo, A., Sanz-García, F., Pelacho, M., Tarancón, A., Rivero, A., Varela, O. and Moreno, A. (2023). **Collective Intelligence to Find Solutions to the Challenges Posed by the Sustainable Development Goals.** *Citizen Science: Theory and Practice*, 8(1), p. 47. doi: [10.5334/cstp.587](https://doi.org/10.5334/cstp.587)

IV

- Pelacho, M., Ruiz, G., Sanz, F., Tarancón, A. and Clemente-Gallardo, J. (2021). **Analysis of the evolution and collaboration networks of citizen science scientific publications.** *Scientometrics*, 126, pp.225-257. doi: [10.1007/s11192-020-03724-x](https://doi.org/10.1007/s11192-020-03724-x)

Scientific Publications on Citizen Science

Some recent publications

V

- Wagenknecht, K., Woods, T., Sanz, F. G., Gold, M., Bowser, A., Rüfenacht, S., Ceccaroni, L. and Piera, J. (2021). **EU-Citizen. Science: A platform for mainstreaming citizen science and open science in Europe.** *Data Intelligence*, 3(1), 136-149. doi: [10.1162/dint_a_00085](https://doi.org/10.1162/dint_a_00085)

VII

- Schade, S., Pelacho, M., van Noordwijk, T.(., Vohland, K., Hecker, S., Manzoni, M. (2021). **Citizen Science and Policy.** In: Vohland, K., Land-Zandstra, A., Ceccaroni, L., Lemmens, R., Perelló, J., Ponti, M., Samson, R., Wagenknecht, K. (Editors). *The Science of Citizen Science*. Springer, Cham. doi: [10.1007/978-3-030-58278-4_18](https://doi.org/10.1007/978-3-030-58278-4_18)

VI

- Sanz, F., Pelacho, M., Woods, T., Fraisl, D., See, L., Haklay, M. and Arias, R. (2021). **Finding what you need: a guide to Citizen Science guidelines.** In: Vohland, K., Land-Zandstra, A., Ceccaroni, L., Lemmens, R., Perelló, J., Ponti, M., Samson, R., Wagenknecht, K. (Editors). *The Science of Citizen Science*. Cham: Springer International Publishing, 419-438. doi: [10.1007/978-3-030-58278-4_21](https://doi.org/10.1007/978-3-030-58278-4_21)

VIII

- Pelacho, M., Rodríguez, H., Broncano, F., Kubus, R., Sanz, F., Gavete, B. and Lafuente, A. (2021). **Science as a commons: improving the governance of knowledge through citizen science.** En: Vohland, K., Land-Zandstra, A., Ceccaroni, L., Lemmens, R., Perelló, J., Ponti, M., Samson, R., Wagenknecht, K. (Editors). *The Science of Citizen Science*. Cham: Springer. doi: [10.1007/978-3-030-58278-4_4](https://doi.org/10.1007/978-3-030-58278-4_4)



ibercivis
people doing science



[Website](#)



[E-mail](#)



[Facebook](#)



[X](#)



[Youtube](#)



[Instagram](#)



[Linkedin](#)



[Tik Tok](#)

Ibercivis Foundation
C/ Mariano Esquillor s/n.
I+D Building. Río Ebro Campus.
50018 - Zaragoza
+34 876 55 53 96